

Applicants : Brent J. Bos, Stephen J. Forbes and Roger L. Veldman
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In the Claims:

Please amend claims 119, 123, 150, 154, 181, 185, 187, 213 and 217 as follows:

84. (previously added): An interior rearview mirror assembly for mounting on a vehicle comprising:

- a mirror case, said case including a bottom portion;
- a reflective mirror element;
- a support for securing said assembly on the vehicle;

a solid-state light source, said light source positioned for emitting light generally downwardly from said bottom portion of said mirror case when said assembly is mounted on the vehicle;

said solid-state light source comprising a light emitting diode;

said solid-state light source positioned to emit light to provide illumination of a portion of the vehicle interior below said mirror assembly when said assembly is mounted on the vehicle and when said solid-state light source is electrically powered; and

wherein said mirror case includes at least one of:

- a) an opening, said light emitting diode emitting light through said opening when powered,
- b) a light conduit, said light emitting diode emitting light through said light conduit when powered, and
- c) a fiberoptic element, said light emitting diode emitting light through said fiberoptic element when powered.

85. (previously added): The mirror assembly of claim 84 wherein said mirror case includes an opening, said light emitting diode emitting light through said opening when powered, said opening including a lens.

86. (previously added): The mirror assembly of claim 85 wherein said lens closes said opening.

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87. (previously added): The mirror assembly of claim 85 wherein said lens snap-fits in said opening.

88. (previously added): The mirror assembly of claim 85 wherein said lens comprises at least one of a Fresnel lens, a binary optic, a refractive optic and a holographic optic.

89. (previously added): The mirror assembly of claim 85 wherein said lens comprises a refractive optic.

90. (previously added): The mirror assembly of claim 84 wherein said mirror case includes a light conduit, said light emitting diode emitting light through said light conduit when powered, said light conduit having an inner wall.

91. (previously added): The mirror assembly of claim 90 wherein said inner wall is adapted to diffusely reflect light.

92. (previously added): The mirror assembly of claim 91 wherein said inner wall comprises a diffuse reflecting material.

93. (previously added): The mirror assembly of claim 90 wherein said inner wall is adapted to specularly reflect light.

94. (previously added): The mirror assembly of claim 93 wherein said inner wall comprises a specularly reflecting material.

95. (previously added): The mirror assembly of claim 90 wherein said light conduit is formed separate from said mirror case.

96. (previously added): The mirror assembly of claim 90 wherein said light conduit is formed integral with said mirror case.

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97. (previously added): The mirror assembly of claim 96 wherein said light conduit is formed integral with said mirror case by molding.

98. (previously added): The mirror assembly of claim 84 wherein said mirror case includes a fiberoptic element, said fiberoptic element comprising at least one of a fiberoptic cable and a fiberoptic bundle.

99. (previously added): The mirror assembly of claim 84 wherein said solid-state light source comprises a light emitting diode having a luminous intensity of at least 500 mcd when operated at a forward current of 20 Ma.

100. (previously added): The mirror assembly of claim 84 wherein said solid-state light source comprises a light emitting diode having a luminous intensity of at least 700 mcd when operated at a forward current of 20 Ma.

101. (previously added): The mirror assembly of claim 84 wherein said solid-state light source comprises a light emitting diode having a luminous intensity in the range of about 500 mcd to about 7000 mcd when said solid-state light source is powered in the vehicle.

102. (previously added): The mirror assembly of claim 84 wherein said solid-state light source comprises a light emitting diode operated at a forward voltage of at least about 1 volt.

103. (previously added): The mirror assembly of claim 84 wherein said solid-state light source comprises a light emitting diode operated at a forward voltage of at least about 2 volts.

104. (previously added): The mirror assembly of claim 84 wherein said solid-state light source comprises a light emitting diode operated at a forward voltage less than about 5 volts.

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105. (previously added): The mirror assembly of claim 84 wherein said solid-state light source comprises a light emitting diode that emits light with a dominant wavelength within the range of about 530 nm to about 680 nm.

106. (previously added): The mirror assembly of claim 84 wherein said solid-state light source comprises a light emitting diode emitting light having a color selected from the group consisting of green, orange, yellow, amber, reddish-orange, red and blue.

107. (previously added): The mirror assembly of claim 106 wherein said solid-state light source comprises a light emitting diode formed from a material including at least one of aluminum, indium, gallium, arsenic and phosphorous.

108. (previously added): The mirror assembly of claim 84 wherein said solid-state light source comprises a light emitting diode formed from a material including at least one of aluminum, indium, gallium, arsenic and phosphorous.

109. (previously added): The mirror assembly of claim 84 wherein said solid-state light source operates at a current less than about 200 Ma when said solid-state light source is mounted and operated in the vehicle.

110. (previously added): The mirror assembly of claim 84 wherein said solid-state light source operates at a current less than about 100 Ma when said solid-state light source is mounted and operated in the vehicle.

111. (previously added): The mirror assembly of claim 84 wherein said solid-state light source operates at a current less than about 50 Ma when said solid-state light source is mounted and operated in the vehicle.

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112. (previously added): The mirror assembly of claim 84 wherein said solid-state light source comprises a light emitting diode operated at a current within the range of about 20 Ma to about 100 Ma when said solid-state light source is mounted and operated in the vehicle.

113. (previously added): The mirror assembly of claim 84 wherein said solid-state light source comprises a light emitting diode providing illumination of between about 0.2 and 4.0 lux at a distance of about 22 to 26 inches from said diode.

114. (previously added): The mirror assembly of claim 84 wherein the vehicle includes a windshield, said support being adapted for connection to the windshield for mounting said assembly on the vehicle.

115. (previously added): The mirror assembly of claim 84 wherein the vehicle includes a windshield and a header area adjacent the windshield, said support being adapted for connection to the header area of the vehicle for mounting said assembly on the vehicle.

116. (previously added): The mirror assembly of claim 84 wherein said reflective mirror element comprises a prismatic rearview mirror element.

117. (previously added): The mirror assembly of claim 84 wherein said reflective mirror element comprises an electro-optic rearview mirror element.

118. (previously added): The mirror assembly of claim 117 wherein said electro-optic rearview mirror element comprises an electrochromic rearview mirror element.

119. (currently amended): The mirror assembly of claim 84 wherein said portion of the vehicle interior below said mirror assembly includes a shift lever console.

120. (previously added): The mirror assembly of claim 119 wherein said shift lever console comprises a transmission selector indicator panel.

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121. (previously added): The mirror assembly of claim 119 wherein said shift lever console comprises at least one of a transmission selector indicator panel, a bin, a cup holder, an ashtray and a switch.

122. (previously added): The mirror assembly of claim 119 wherein said shift lever console is located at the floor centerline of the vehicle.

123. (currently amended): The mirror assembly of claim 84 wherein said portion of the vehicle interior below said mirror assembly includes a floor console.

124. (previously added): An interior rearview mirror assembly for mounting on a vehicle comprising:

- a mirror case, said case including a bottom portion;
- a reflective mirror element;
- a support for securing said assembly on the vehicle;
- a solid-state light source, said light source positioned for emitting light generally downwardly from said bottom portion of said mirror case when said assembly is mounted on the vehicle;
- said solid-state light source comprising a light emitting diode;
- said solid-state light source positioned to emit light to provide illumination of a portion of the vehicle interior below said mirror assembly when said assembly is mounted on the vehicle and when said solid-state light source is electrically powered;
- wherein said mirror case includes an opening, said light emitting diode emitting light through said opening when powered; and
- wherein said light emitting diode emits light having a color selected from the group consisting of green, orange, yellow, amber, reddish-orange, red and blue.

125. (previously added): The mirror assembly of claim 124 wherein said opening includes a lens.

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126. (previously added): The mirror assembly of claim 125 wherein said lens closes said opening.

127. (previously added): The mirror assembly of claim 125 wherein said lens snap-fits in said opening.

128. (previously added): The mirror assembly of claim 125 wherein said lens comprises at least one of a Fresnel lens, a binary optic, a refractive optic and a holographic optic.

129. (previously added): The mirror assembly of claim 125 wherein said lens comprises a refractive optic.

130. (previously added): The mirror assembly of claim 124 wherein said solid-state light source comprises a light emitting diode having a luminous intensity of at least 500 mcd when operated at a forward current of 20 Ma.

131. (previously added): The mirror assembly of claim 124 wherein said solid-state light source comprises a light emitting diode having a luminous intensity of at least 700 mcd when operated at a forward current of 20 Ma.

132. (previously added): The mirror assembly of claim 124 wherein said solid-state light source comprises a light emitting diode having a luminous intensity in the range of about 500 mcd to about 7000 mcd when said solid-state light source is powered in the vehicle.

133. (previously added): The mirror assembly of claim 124 wherein said solid-state light source comprises a light emitting diode operated at a forward voltage of at least about 1 volt.

134. (previously added): The mirror assembly of claim 124 wherein said solid-state light source comprises a light emitting diode operated at a forward voltage of at least about 2 volts.

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135. (previously added): The mirror assembly of claim 124 wherein said solid-state light source comprises a light emitting diode operated at a forward voltage less than about 5 volts.

136. (previously added): The mirror assembly of claim 124 wherein said solid-state light source comprises a light emitting diode that emits light with a dominant wavelength within the range of about 530 nm to about 680 nm.

137. (previously added): The mirror assembly of claim 124 wherein said solid-state light source comprises a light emitting diode emitting light having a color selected from the group consisting of amber and red.

138. (previously added): The mirror assembly of claim 137 wherein said solid-state light source comprises a light emitting diode formed from a material including at least one of aluminum, indium, gallium, arsenic and phosphorous.

139. (previously added): The mirror assembly of claim 124 wherein said solid-state light source comprises a light emitting diode formed from a material including at least one of aluminum, indium, gallium, arsenic and phosphorous.

140. (previously added): The mirror assembly of claim 124 wherein said solid-state light source operates at a current less than about 200 Ma when said solid-state light source is mounted and operated in the vehicle.

141. (previously added): The mirror assembly of claim 124 wherein said solid-state light source operates at a current less than about 100 Ma when said solid-state light source is mounted and operated in the vehicle.

142. (previously added): The mirror assembly of claim 124 wherein said solid-state light source operates at a current less than about 50 Ma when said solid-state light source is mounted and operated in the vehicle.

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143. (previously added): The mirror assembly of claim 124 wherein said solid-state light source comprises a light emitting diode operated at a current within the range of about 20 Ma to about 100 Ma when said solid-state light source is mounted and operated in the vehicle.

144. (previously added): The mirror assembly of claim 124 wherein said solid-state light source comprises a light emitting diode providing illumination of between about 0.2 and 4.0 lux at a distance of about 22 to 26 inches from said diode.

145. (previously added): The mirror assembly of claim 124 wherein the vehicle includes a windshield, said support being adapted for connection to the windshield for mounting said assembly on the vehicle.

146. (previously added): The mirror assembly of claim 124 wherein the vehicle includes a windshield and a header area adjacent the windshield, said support being adapted for connection to the header area of the vehicle for mounting said assembly on the vehicle.

147. (previously added): The mirror assembly of claim 124 wherein said reflective mirror element comprises a prismatic rearview mirror element.

148. (previously added): The mirror assembly of claim 124 wherein said reflective mirror element comprises an electro-optic rearview mirror element.

149. (previously added): The mirror assembly of claim 148 wherein said electro-optic rearview mirror element comprises an electrochromic rearview mirror element.

150. (currently amended): The mirror assembly of claim 124 wherein said portion of the vehicle interior below said mirror assembly includes a shift lever console.

151. (previously added): The mirror assembly of claim 150 wherein said shift lever console comprises a transmission selector indicator panel.

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152. (previously added): The mirror assembly of claim 150 wherein said shift lever console comprises at least one of a transmission selector indicator panel, a bin, a cup holder, an ashtray and a switch.

153. (previously added): The mirror assembly of claim 150 wherein said shift lever console is located at the floor centerline of the vehicle.

154. (previously added): The mirror assembly of claim 124 wherein said portion of the vehicle interior below said mirror assembly includes a floor console.

155. (previously added): An interior rearview mirror assembly for mounting on a vehicle comprising:

- a mirror case, said case including a bottom portion;

- a reflective mirror element;

- a support for securing said assembly on the vehicle;

- a solid-state light source, said light source positioned for emitting light generally downwardly from said bottom portion of said mirror case when said assembly is mounted on the vehicle;

- said solid-state light source comprising a light emitting diode;

- said solid-state light source positioned to emit light to provide illumination of a portion of the vehicle interior below said mirror assembly when said assembly is mounted on the vehicle and when said solid-state light source is electrically powered;

- wherein said mirror case includes an opening, said light emitting diode emitting light through said opening when powered; and

- wherein said light emitting diode has a luminous intensity of at least 500 mcd when operated at a forward current of 20 Ma.

156. (previously added): The mirror assembly of claim 155 wherein said opening includes a lens.

157. (previously added): The mirror assembly of claim 156 wherein said lens closes said

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opening.

158. (previously added): The mirror assembly of claim 156 wherein said lens snap-fits in said opening

159. (previously added): The mirror assembly of claim 156 wherein said lens comprises at least one of a Fresnel lens, a binary optic, a refractive optic and a holographic optic.

160. (previously added): The mirror assembly of claim 156 wherein said lens comprises a refractive optic.

161. (previously added): The mirror assembly of claim 155 wherein said light emitting diode emits light having a color selected from the group consisting of green, orange, yellow, amber, reddish-orange, red and blue.

162. (previously added): The mirror assembly of claim 155 wherein said light emitting diode has a luminous intensity of at least 700 mcd when operated at a forward current of 20 Ma.

163. (previously added): The mirror assembly of claim 155 wherein said light emitting diode has a luminous intensity in the range of about 500 mcd to about 7000 mcd when said solid-state light source is powered in the vehicle.

164. (previously added): The mirror assembly of claim 155 wherein said solid-state light source comprises a light emitting diode operated at a forward voltage of at least about 1 volt.

165. (previously added): The mirror assembly of claim 155 wherein said solid-state light source comprises a light emitting diode operated at a forward voltage of at least about 2 volts.

166. (previously added): The mirror assembly of claim 155 wherein said solid-state light source comprises a light emitting diode operated at a forward voltage less than about 5 volts.

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167. (previously added): The mirror assembly of claim 155 wherein said solid-state light source comprises a light emitting diode that emits light with a dominant wavelength within the range of about 530 nm to about 680 nm.

168. (previously added): The mirror assembly of claim 155 wherein said solid-state light source comprises a light emitting diode emitting light having a color selected from the group consisting of amber and red.

169. (previously added): The mirror assembly of claim 168 wherein said solid-state light source comprises a light emitting diode formed from a material including at least one of aluminum, indium, gallium, arsenic and phosphorous.

170. (previously added): The mirror assembly of claim 155 wherein said solid-state light source comprises a light emitting diode formed from a material including at least one of aluminum, indium, gallium, arsenic and phosphorous.

171. (previously added): The mirror assembly of claim 155 wherein said solid-state light source operates at a current less than about 200 Ma when said solid-state light source is mounted and operated in the vehicle.

172. (previously added): The mirror assembly of claim 155 wherein said solid-state light source operates at a current less than about 100 Ma when said solid-state light source is mounted and operated in the vehicle.

173. (previously added): The mirror assembly of claim 155 wherein said solid-state light source operates at a current less than about 50 Ma when said solid-state light source is mounted and operated in the vehicle.

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174. (previously added): The mirror assembly of claim 155 wherein said solid-state light source comprises a light emitting diode operated at a current within the range of about 20 Ma to about 100 Ma when said solid-state light source is mounted and operated in the vehicle.

175. (previously added): The mirror assembly of claim 155 wherein said solid-state light source comprises a light emitting diode providing illumination of between about 0.2 and 4.0 lux at a distance of about 22 to 26 inches from said diode.

176. (previously added): The mirror assembly of claim 155 wherein the vehicle includes a windshield, said support being adapted for connection to the windshield for mounting said assembly on the vehicle.

177. (previously added): The mirror assembly of claim 155 wherein the vehicle includes a windshield and a header area adjacent the windshield, said support being adapted for connection to the header area of the vehicle for mounting said assembly on the vehicle.

178. (previously added): The mirror assembly of claim 155 wherein said reflective mirror element comprises a prismatic rearview mirror element.

179. (previously added): The mirror assembly of claim 155 wherein said reflective mirror element comprises an electro-optic rearview mirror element.

180. (previously added): The mirror assembly of claim 179 wherein said electro-optic rearview mirror element comprises an electrochromic rearview mirror element.

181. (currently amended): The mirror assembly of claim 155 wherein said portion of the vehicle interior below said mirror assembly includes a shift lever console.

182. (previously added): The mirror assembly of claim 181 wherein said shift lever console comprises a transmission selector indicator panel.

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183. (previously added): The mirror assembly of claim 181 wherein said shift lever console comprises at least one of a transmission selector indicator panel, a bin, a cup holder, an ashtray and a switch.

184. (previously added): The mirror assembly of claim 181 wherein said shift lever console is located at the floor centerline of the vehicle.

185. (currently amended): The mirror assembly of claim 155 wherein said portion of the vehicle interior below said mirror assembly includes a floor console.

186. (previously added): An interior rearview mirror assembly for mounting on a vehicle comprising:

- a mirror case;
- a reflective mirror element;
- a support for securing said assembly on the vehicle;
- a solid-state light source, said light source incorporated as part of said mirror assembly and positioned for emitting light generally downwardly from a bottom portion of said assembly when said assembly is mounted on the vehicle;
- said solid-state light source comprising a light emitting diode;
- said solid-state light source positioned to emit light to provide illumination of a portion of the vehicle interior below said mirror assembly when said assembly is mounted on the vehicle and when said solid-state light source is electrically powered;
- wherein said light emitting diode has a luminous intensity of at least 500 mcd when operated at a forward current of 20 Ma.

187. (currently amended): The mirror assembly of claim 186 wherein said mirror case includes an opening, said light emitting diode emitting light through said opening when powered.

188. (previously added): The mirror assembly of claim 187 wherein said opening includes a lens.

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189. (previously added): The mirror assembly of claim 188 wherein said lens closes said opening.

190. (previously added): The mirror assembly of claim 188 wherein said lens snap-fits in said opening.

191. (previously added): The mirror assembly of claim 188 wherein said lens comprises at least one of a Fresnel lens, a binary optic, a refractive optic and a holographic optic.

192. (previously added): The mirror assembly of claim 188 wherein said lens comprises a refractive optic.

193. (previously added): The mirror assembly of claim 186 wherein said light emitting diode emits light having a color selected from the group consisting of green, orange, yellow, amber, reddish-orange, red and blue.

194. (previously added): The mirror assembly of claim 186 wherein said light emitting diode has a luminous intensity of at least 700 mcd when operated at a forward current of 20 Ma.

195. (previously added): The mirror assembly of claim 186 wherein said light emitting diode has a luminous intensity in the range of about 500 mcd to about 7000 mcd when said solid-state light source is powered in the vehicle.

196. (previously added): The mirror assembly of claim 186 wherein said solid-state light source comprises a light emitting diode operated at a forward voltage of at least about 1 volt.

197. (previously added): The mirror assembly of claim 186 wherein said solid-state light source comprises a light emitting diode operated at a forward voltage of at least about 2 volts.

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198. (previously added): The mirror assembly of claim 186 wherein said solid-state light source comprises a light emitting diode operated at a forward voltage less than about 5 volts.

199. (previously added): The mirror assembly of claim 186 wherein said solid-state light source comprises a light emitting diode that emits light with a dominant wavelength within the range of about 530 nm to about 680 nm.

200. (previously added): The mirror assembly of claim 199 wherein said solid-state light source comprises a light emitting diode emitting light having a color selected from the group consisting of amber and red.

201. (previously added): The mirror assembly of claim 200 wherein said solid-state light source comprises a light emitting diode formed from a material including at least one of aluminum, indium, gallium, arsenic and phosphorous.

202. (previously added): The mirror assembly of claim 186 wherein said solid-state light source comprises a light emitting diode formed from a material including at least one of aluminum, indium, gallium, arsenic and phosphorous.

203. (previously added): The mirror assembly of claim 186 wherein said solid-state light source operates at a current less than about 200 Ma when said solid-state light source is mounted and operated in the vehicle.

204. (previously added): The mirror assembly of claim 186 wherein said solid-state light source operates at a current less than about 100 Ma when said solid-state light source is mounted and operated in the vehicle.

205. (previously added): The mirror assembly of claim 186 wherein said solid-state light source operates at a current less than about 50 Ma when said solid-state light source is mounted and operated in the vehicle.

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206. (previously added): The mirror assembly of claim 186 wherein said solid-state light source comprises a light emitting diode operated at a current within the range of about 20 Ma to about 100 Ma when said solid-state light source is mounted and operated in the vehicle.

207. (previously added): The mirror assembly of claim 186 wherein said solid-state light source comprises a light emitting diode providing illumination of between about 0.2 and 4.0 lux at a distance of about 22 to 26 inches from said diode.

208. (previously added): The mirror assembly of claim 186 wherein the vehicle includes a windshield, said support being adapted for connection to the windshield for mounting said assembly on the vehicle.

209. (previously added): The mirror assembly of claim 186 wherein the vehicle includes a windshield and a header area adjacent the windshield, said support being adapted for connection to the header area of the vehicle for mounting said assembly on the vehicle.

210. (previously added): The mirror assembly of claim 186 wherein said reflective mirror element comprises a prismatic rearview mirror element.

211. (previously added): The mirror assembly of claim 186 wherein said reflective mirror element comprises an electro-optic rearview mirror element.

212. (previously added): The mirror assembly of claim 211 wherein said electro-optic rearview mirror element comprises an electrochromic rearview mirror element.

213. (currently amended): The mirror assembly of claim 186 wherein said portion of the vehicle interior below said mirror assembly includes a shift lever console.

214. (previously added): The mirror assembly of claim 213 wherein said shift lever console comprises a transmission selector indicator panel.

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215. (previously added): The mirror assembly of claim 213 wherein said shift lever console comprises at least one of a transmission selector indicator panel, a bin, a cup holder, an ashtray and a switch.

216. (previously added): The mirror assembly of claim 213 wherein said shift lever console is located at the floor centerline of the vehicle.

217. (currently amended): The mirror assembly of claim 186 wherein said portion of the vehicle interior below said mirror assembly includes a floor console.

218. (previously added): The mirror assembly of claim 186 wherein said light emitting diode emits light with a dominant wavelength of at least about 530 nm.

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Terminal Disclaimer:

A Terminal Disclaimer signed by an officer of the assignee of the present application and complying with 37 C.F.R. 1.321(c) and 37 C.F.R. 3.73(b) and a check in the amount of \$110 to cover the disclaimer fee are enclosed herewith. Approval and entry of this Terminal Disclaimer is respectfully requested.